

## ABSTRACT

A pharmaceutical delivery system for reconstituting and delivering a two-part pharmaceutical composition through a catheter, consisting of a first container, typically a syringe, for containing a first component of a pharmaceutical, with a first broachable closure closing the container, and a fluid displacement apparatus configured to move fluid into and out of the container through the broachable closure; a second container containing a second component of the pharmaceutical, with a second broachable closure closing the container; a body comprising first, second and third open-ended vessels extending from the diverter valve operative to alternatively connect the first and second vessels or the first and third vessels; the first vessel communicating with a socket for receiving at least a part of the first container, including the broachable closure of the first container, the socket containing a first closure broaching member such as a cannula; the second vessel communicating with a socket for receiving at least a part of the second container, including the broachable closure of the second container; the socket containing a second closure broaching member such as a cannula. The third vessel is connected to a tubulation for delivery of the reconstituted pharmaceutical, which tubulation may, in one embodiment, also be used for filling the first container.